

Electronic Filing System (EFS) Data
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EFS ID: 11526
Application ID: 09681732
Title of Invention: SYSTEM AND METHOD FOR
DESIGN OF EXPERIMENTS USING
DIRECT SURFACE MANIPULATION
OF A MESH MODEL
First Named Inventor: Paul Stewart
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2001-05-30
Submission Type: Utility Patent Filing
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Confirmation Number: 0
Attorney Docket Number: 200-1452 DBK
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: yYV+CWRQcVaU4sdmN6CMPQ==
Total Fees Authorized: \$750.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Sheri L. Charles



TRANSMITTAL FORM

jc474 U.S. PTO
09/681732
05/30/01

Electronic Version
1.0.2

Stylesheet Version: 1.0

Attorney Docket
Number:

200-1452
DBK

SYSTEM AND METHOD FOR DESIGN OF EXPERIMENTS USING DIRECT SURFACE MANIPULATION OF A MESH MODEL

First Named Inventor: Paul Joseph Stewart

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20010530

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

[illegible]

decl 1 of 2.tif
decl 2 of 2.tif
prior art.tif
consent.tif

Comments:

[illegible]

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATIONAttorney's Docket No
200-1452

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is and for which a patent is sought on the invention entitled

SYSTEM AND METHOD FOR DESIGN OF EXPERIMENTS USING DIRECT SURFACE MANIPULATION OF A MES

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of prior to this application by me or my legal representatives or assigns,

☒ no such applications have been filed, or

☐ such applications have been filed as follows

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIM UNDER 35 USC 1

☐ I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (month, day, year)	<input type="checkbox"/> Additional provisional numbers are listed on a separate priority data sheet PTO/SB/ attached hereto.

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56(a) which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith and to act in behalf before the competent International Authorities in connection with any and all international applications filed by me (List name and registration number)

Daniel H. Bliss - 32,398

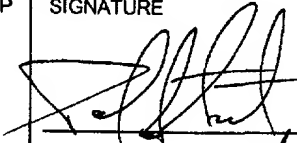
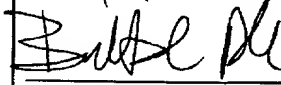

David B. Kelley - 33,718

William J. Coughlin - 29,143

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
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Yifan Chen 4746 Sawgrass Dr. W. Ann Arbor, MI 48108 US	Ann Arbor, MI 48108 US	U.S.A	

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional) 200-1452	Application Number
Applicant(s) Paul J. Stewart et al.	
Filing Date Concurrently Herewith	Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
		4,821,214	04/11/1989	Sederberg		
		5,119,309	06/02/1992	Cavendish et al.		
		5,179,644	01/12/1993	Chiyokura et al.		
		5,253,331	10/12/1993	Lorenzen et al.		
		5,504,845	04/02/1996	Vecchione		
		5,903,458	05/11/1999	Stewart et al.		

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page)

	Duane S. Boning and P. K. Mozumder, "DOE/Opt: A system For Design Of Experiements, Response Surfa Optimization Using Process And Device Simulation", Semiconductor Process and Design Center, Decembe
	Yifan Chen, Paul Stewart and, Pietro Buttolo, "A Real-Time, Interactive Method For Fast Modification O CAE Mesh Models", ASME 2000 Design Engineering Technical Conferences and Computers and Informa Engineering Conference, September 10-13,2000.

EXAMINER	DATE CONSIDERED
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PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. 200-1482
Date April 23, 2007

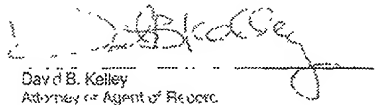
Sir:

Inventor(s)
Yifan Chen
Paul Stewart
Pietro Buttolo

FOR: SYSTEM AND METHOD FOR DESIGN OF EXPERIMENTS USING DIRECT SURFACE
MANIPULATION OF A MESH MODEL

The attorney or agent below has reviewed this application and its attachments and consents to
electronic filing by the assignee.

Respectfully submitted:



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FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 750

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: Ford Global Technologies, Inc.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20010530

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 710

Subtotal For Basic Filing Fee: \$ 710

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 80	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

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